Index of Claims



Application/Control No.

10/603,316 Examiner

Vernal U. Brown

Applicant(s)/Patent under Reexamination

YAMAGISHI, JUNICHI

Art Unit

2635

| √ | Rejected |
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| = | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal 0 Objected

| Cla             | aim      |         |   |      | Dat      | e            |          |          |        | ] | Cla   | aim      |        |   |   |          | Dat | e |
|-----------------|----------|---------|---|------|----------|--------------|----------|----------|--------|---|-------|----------|--------|---|---|----------|-----|---|
| Final           | Original | 4/12/06 |   |      |          |              |          |          |        |   | Final | Original |        |   |   |          |     |   |
| 1               | 1        | =       |   |      |          | L            |          |          |        | ] |       | 51       |        |   |   |          |     | Ī |
| 2               | 2        | =       |   |      |          |              |          |          |        | ] |       | 52       |        |   |   |          |     | Ī |
| 3               | 3        | =       |   |      |          |              |          |          |        | ] |       | 53       |        |   |   |          | Π   | T |
| 4               | 4        | =       |   | П    |          |              | Г        | Π        |        | 1 |       | 54       |        |   |   | П        | T   | T |
|                 | 5        |         |   |      |          | Γ            | Π        | Ī        |        | ] |       | 55       | Г      | П | Π |          |     | T |
|                 | 6        |         |   |      | Π        | П            | П        | Π        |        | } |       | 56       |        |   |   |          | П   | Ţ |
|                 | 7        |         |   |      |          |              |          | Г        |        | 1 |       | 57       |        |   |   |          | Γ   | T |
|                 | 8        |         |   |      |          |              | Π        |          |        |   |       | 58       |        |   |   |          | Т   | T |
|                 | 9        |         |   |      |          |              | Π        |          |        | ] |       | 59       |        |   |   | П        | Γ   | T |
|                 | 10       |         |   |      |          |              |          |          | Ī      |   |       | 60       |        |   |   |          |     | T |
|                 | 11       |         |   |      |          |              |          |          |        | ] |       | 61       |        |   |   |          | Π   | I |
|                 | 12       |         |   |      |          |              |          |          |        |   |       | 62       |        |   |   |          |     | I |
|                 | 13       |         |   |      |          |              |          |          |        |   |       | 63       |        |   |   |          |     | T |
|                 | 14       |         |   |      |          |              |          |          |        |   |       | 64       |        |   |   |          |     | T |
|                 | 15       |         |   |      |          |              | Γ        | Π        | Π      |   |       | 65       |        |   | Π | П        | Π   | Τ |
|                 | 16       |         |   |      |          |              |          |          |        | j |       | 66       |        |   |   |          | Π   | Τ |
|                 | 17       |         |   |      |          |              |          |          |        | ŀ |       | 67       |        |   |   |          | Π   | T |
|                 | 18       |         |   |      |          |              |          |          |        |   |       | 68       |        |   |   | Π        |     | T |
|                 | 19       |         |   |      |          |              |          |          |        |   |       | 69       |        |   |   |          |     | Ι |
|                 | 20       |         |   |      |          |              |          |          |        |   |       | 70       |        |   |   |          |     | Γ |
|                 | 21       |         |   |      |          |              |          |          |        |   |       | 71       |        |   |   |          |     | Τ |
|                 | 22       |         |   |      |          |              |          |          |        |   |       | 72       |        |   |   |          | П   | Ι |
|                 | 23       |         |   |      |          |              |          |          |        |   |       | 73       |        |   |   |          | П   | Γ |
|                 | 24       |         |   |      |          |              |          |          |        |   |       | 74       |        |   |   |          |     | Γ |
|                 | 25       |         |   |      |          |              |          |          |        |   |       | 75       |        |   |   |          |     | L |
|                 | 26       |         |   |      |          |              |          | L        |        |   |       | 76       |        |   |   |          |     |   |
|                 | 27       |         |   |      | L        |              |          | L        |        |   |       | 77       |        |   |   |          |     |   |
|                 | 28       |         |   | _    |          |              |          |          | L      |   |       | 78       |        |   |   |          |     | I |
|                 | 29       |         |   |      |          | $oxed{oxed}$ | <u> </u> |          |        |   |       | 79       |        |   |   |          | Ĺ   | L |
|                 | 30       |         |   |      |          |              |          |          |        |   |       | 80       |        |   |   |          |     | I |
|                 | 31       | _       |   |      |          |              |          |          |        |   |       | 81       |        |   |   |          |     | L |
|                 | 32       | $\Box$  |   |      |          |              |          |          |        |   |       | 82       |        |   |   |          |     |   |
|                 | 33       |         |   |      |          |              |          | _        |        |   |       | 83       |        |   |   |          |     | L |
|                 | 34       |         |   |      | L        |              |          |          |        |   |       | 84       |        |   |   |          |     | Ι |
|                 | 35       |         |   |      | L        |              |          | _        |        |   |       | 85       |        |   |   |          |     | I |
|                 | 36       | _       |   |      |          | 匚            |          |          |        |   |       | 86       |        |   |   |          |     | I |
|                 | 37       |         |   |      | _        | 匚            | _        |          | L      |   |       | 87       |        |   |   |          |     |   |
|                 | 38       | _       |   | <br> | _        | L            |          |          | L      |   |       | 88       |        |   |   |          | L   | L |
|                 | 39       |         |   |      | L        | L            | _        |          | L      |   |       | 89       |        | _ |   |          |     | L |
|                 | 40       |         |   |      |          |              |          |          |        |   |       | 90       |        |   |   |          | L   | L |
|                 | 41       |         |   |      |          |              | L        |          |        |   |       | 91       |        |   |   |          |     | L |
|                 | 42       |         |   |      | <u>_</u> | <u></u>      |          |          |        |   |       | 92       |        |   |   | L        | L_  | L |
|                 | 43       |         |   |      |          |              |          | <u> </u> |        |   |       | 93       |        |   |   | <u> </u> | _   | L |
|                 | 44       |         |   |      | L_       | L            |          | L        |        |   |       | 94       |        |   |   |          |     | Ĺ |
| oxdot           | 45       |         |   |      |          |              | <u> </u> |          |        |   |       | 95       |        |   |   |          |     | Ĺ |
| $\sqcup \sqcup$ | 46       | [       |   |      |          | _            | _        | $\Box$   | $\Box$ |   |       | 96       |        |   |   | LĪ       |     | Ĺ |
| L .             | 47       |         |   |      |          |              | L.,      |          |        |   |       | 97       |        |   |   | L        |     | L |
|                 | 48       |         | _ | <br> |          |              |          | L        |        |   |       | 98       | $\Box$ |   |   |          |     | Ĺ |
| igsqcut         | 49       |         |   |      | L        |              |          |          |        |   |       | 99       |        |   |   |          |     | Ĺ |
| L               | 50       |         |   |      |          |              | L        |          |        | į | j     | 100      | [      |   |   |          |     |   |

| Cla         | Claim    |            | Date   |              |          |   |          |  |  |  |  |  |  |
|-------------|----------|------------|--|--------------|----------|---|----------|--|--|--|--|--|--|
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| न्न         | Original |            |  |              |          | 1   |          |  |  |  |  |  |  |
| Final       | ij       |            |  |              |          |   |          |  |  |  |  |  |  |
| -           | Ō        | 1          | 1  | 1            | 1        |   |          |  | 1  | İ  |  |  |  |
| -           | 51       | ╁╌         | ├  | ╁            | ╁╴       | ╁   | ╁        | ╁  | ╁  | ╁  |  |  |  |
|             | 52       | ╁          | ╁  | ╁┈           | ┢╌       | ├-  | ├        | ┢  | -  | ┢  |  |  |  |
|             | 52<br>53 | ╁╌         | ┼  | +-           | -        | ╁   | ╁        | ⊢  | H  | ╁  |  |  |  |
|             | 54       | ╁          | ╁┈   | -            | -        | ├   | -        | <b>├</b>   | ļ  | -  |  |  |  |
| -           | 55       | ╀          | ┼-   | ┼            | ├        | ₩   | ₩        | -  | -  | ├-   |  |  |  |
| <u> </u>    | 55       | <u> </u>   | ↓_   | ╙            | <u> </u> | ▙   | ₩        | <u> </u>   | <u> </u>   | <u> </u>   |  |  |  |
| L           | 56       | <u> </u>   | _  | <del> </del> |          | ļ   | _        | L  | _  | <u> </u>   |  |  |  |
| <u> </u>    | 57       |            |  | <u> </u>     | ļ        | <u> </u>  | <u> </u> | <u> </u>   | ㄴ  | <u> </u>   |  |  |  |
|             | 58       | <u> </u>   | ┖  | <u> </u>     | <u> </u> |   | _        | <u> </u>   | L  | Ш  |  |  |  |
|             | 59       |            | _  |              |          |   |          |  |  | L  |  |  |  |
|             | 60       |            |  |              |          |   |          | L  |  | L  |  |  |  |
| L           | 61<br>62 |            |  |              |          |   |          |  |  |  |  |  |  |
|             | 62       |            |  |              |          | l   |          |  |  |  |  |  |  |
| [           | 63       |            |  |              |          |   |          |  | Γ  |  |  |  |  |
|             | 64       | Γ          |  |              | Π        |   |          |  |  |  |  |  |  |
|             | 65       |            |  |              |          | Π   | Ī        | Ī  |  |  |  |  |  |
|             | 66       |            | T  | T            |          |   |          |  |  |  |  |  |  |
|             | 67       |            |  | 1            |          | T   | Т        | <del>                                     </del> | $\vdash$   |  |  |  |  |
|             | 68       | <b>†</b> • | 1-   |              | ┢        | <u> </u>  | H        |  | H  |  |  |  |  |
|             | 69       | -          | ┢  | ┼            | -        |   |          |  |  | <del>                                     </del> |  |  |  |
|             | 69<br>70 | ╁          | H  | $\vdash$     | $\vdash$ | -   | -        | <del>                                     </del> | 1  |  |  |  |  |
| -           | 71       | ┢          | ┢  | ┢            | $\vdash$ | $\vdash$  | -        | -  | -  | -  |  |  |  |
| <b>—</b>    | 72       | ├          | -  | -            | -        | ⊢   |          | -  |  | _  |  |  |  |
| -           | 72<br>73 | ┢          |  | ┢            | -        | ┝   | ┝        | -  |  |  |  |  |  |
|             | 74       | ┢╌         | -  | ╁            |          | -   |          | ├  | -  |  |  |  |  |
| <del></del> | 74<br>75 | -          |  | <u> </u>     |          | -   | -        | ┝  | ├  |  |  |  |  |
| <b></b>     | 76       | ┢          |  |              | _        | ┝   | ├        | $\vdash$   | $\vdash$   | $\vdash$   |  |  |  |
|             | 77       | $\vdash$   | ⊢  | ├            | -        | ├   | ├        | ├  | ⊢  | $\vdash$   |  |  |  |
|             | 77<br>78 | _          | -  | ├            | ├—       | ⊢   | ⊢        | -  | $\vdash$   | $\vdash$   |  |  |  |
|             | 70       | ⊢          | ⊢  | ┢            | ⊢        | -   | -        | <del> </del>                                     | <del> </del>   |  |  |  |  |
| <b>-</b>    | 79       | $\vdash$   | -  | <del> </del> | <u> </u> | ┡   | _        | ļ  | <u> </u>   |  |  |  |  |
|             | 80       | _          | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>  |          | <u> </u>   | _  |  |  |  |  |
|             | 81       | _          | _  | L            | ļ        | <u> </u>  | <u> </u> | <u> </u>   | <u></u>  |  |  |  |  |
|             | 82       |            | _  | L            | <u> </u> |   |          | L  |  |  |  |  |  |
|             | 83       | <u> </u>   | L  | L_           | _        |   |          |  |  |  |  |  |  |
|             | 84       | <u> </u>   | _  | L            | 乚        | <u> </u>  |          |  |  |  |  |  |  |
|             | 85       |            | <u> </u>   |              |          | $ldsymbol{ld}}}}}}$ |          |  | $ldsymbol{ld}}}}}}$ |  |  |  |  |
|             | 86       | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$ | $oxed{oxed}$ |          |   | L        |  |  |  |  |  |  |
|             | 87       |            | L  | _            |          |   | $\Box$   | _  | $oxedsymbol{oxed}$   |  |  |  |  |
|             | 88       | L          | L  | Ľ            |          |   | L        |  | L  |  |  |  |  |
|             | 89       |            |  |              |          |   | L        |  |  |  |  |  |  |
|             | 90       |            |  |              |          |   |          |  |  |  |  |  |  |
|             | 91       |            |  | Ī            |          |   |          |  |  |  |  |  |  |
|             | 92       |            |  |              |          |   |          |  |  |  |  |  |  |
| $\Box$      | 93       | Г          |  | Г            |          |   |          |  |  |  |  |  |  |
|             | 94       | _          | $\vdash$   | Г            |          |   |          |  |  |  |  |  |  |
| $\vdash$    | 95       |            | $\vdash$   |              | _        | Н   | $\vdash$ | Н  | H  |  |  |  |  |
|             | 96       | Н          | _  | IТ           | _        | $\vdash$  |          | -  | $\vdash$   |  |  |  |  |
| $\vdash$    | 97       | Н          | $\vdash$   | $\vdash$     | -        | -   | -        | -  | $\vdash$   | $\vdash$   |  |  |  |
| $\vdash$    | 98       | Н          | $\vdash$   | $\vdash$     |          | $\vdash$  | -        | $\vdash$   | Н  | -  |  |  |  |
| $\vdash$    | 99       | Н          | $\vdash$   |              |          | $\vdash$  |          |  | $\vdash$   | $\dashv$   |  |  |  |
| -           | 100      | -          | -  | -            |          | _   | _        |  | $\vdash$   | $\dashv$   |  |  |  |

| Cl            | Date   |          |          |          |          |  |          |  |          |           |
|---------------|--|----------|----------|----------|----------|--|----------|--|----------|-----------|
|               |  |          |          | Γ        |          |  |          |  | П        |           |
| Final         | Original   |          | 1        |          |          |  | l        |  |          | 1         |
| <u>i</u> E    | Ę  |          |          |          |          |  |          |  | İ        |           |
| ,             |  |          |          |          |          |  |          |  |          |           |
| _             | 101  |          |          |          |          |  |          | Г  |          | П         |
|               | 102  |          |          |          |          |  | 1        |  |          | П         |
|               | 101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109                                    |          |          | Г        |          |  |          | Γ  |          | П         |
|               | 104  |          |          |          |          | 1  |          | Π  |          |           |
|               | 105  |          |          |          |          |  |          | Ī  |          | П         |
|               | 106  |          |          |          |          |  |          |  |          | $\Box$    |
|               | 107  |          |          |          |          |  | _        |  |          | П         |
|               | 108  |          |          |          |          | Г  |          |  |          | П         |
|               | 109  |          |          |          |          | Г  |          |  |          |           |
|               | 110  |          |          |          | Т        |  | Г        | Г  |          | П         |
|               | 111  |          |          |          |          |  |          |  |          | П         |
|               | 112  |          | -        |          | _        | ┰  | $\vdash$ | T  |          | М         |
|               | 113  |          |          | T        |          | Г  | <u> </u> |  |          | М         |
|               | 111<br>112<br>113<br>114<br>115<br>116<br>117  |          | T        |          |          |  |          | Т  |          | П         |
|               | 115  |          |          |          |          | <u> </u>   | $\vdash$ |  | i        | Н         |
|               | 116  |          |          |          | 1        | $\vdash$   |          | T  | Г        | М         |
|               | 117  |          |          |          | <u> </u> |  |          | ✝  |          | П         |
|               | 118  |          |          | _        | _        | -  |          | -  | $\vdash$ | Н         |
| $\overline{}$ | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 |          | _        |          |          |  | ┢        | -  | $\vdash$ | Н         |
|               | 120  |          |          |          |          | <del>                                     </del> | $\vdash$ | _  | $\vdash$ | Н         |
|               | 121  | _        |          |          |          | -  | $\vdash$ | <del>                                     </del> | ┢        | $\vdash$  |
| $\neg$        | 122  |          | _        | <u> </u> |          |  | -        | <del>                                     </del> | H        |           |
|               | 123  |          |          | $\vdash$ | ┢        | $\vdash$   |          |  | $\vdash$ | $\vdash$  |
|               | 124  |          | _        |          | $\vdash$ | <del>                                     </del> | _        |  |          | $\neg$    |
|               | 125  |          | -        |          | $\vdash$ |  | _        |  |          | H         |
|               | 126  |          |          | -        | $\vdash$ | -  | -        |  |          | $\vdash$  |
|               | 127  |          |          |          | _        | Ι  |          |  |          |           |
|               | 128  |          |          |          |          |  |          |  | -        |           |
|               | 129  |          |          |          | _        | $\vdash$   | _        |  |          |           |
|               | 130  |          |          |          | _        |  |          | _  | -        | $\exists$ |
|               | 131  |          |          | _        | _        |  | _        | $\vdash$   | _        | -         |
|               | 132  |          |          |          |          |  | _        | $\vdash$   |          | $\neg$    |
|               | 133  |          | _        |          | -        |  |          |  |          | $\dashv$  |
|               | 134  | $\dashv$ |          |          | <u> </u> | $\vdash$   |          |  |          | $\dashv$  |
|               | 135  |          |          |          |          |  |          |  |          | $\dashv$  |
| $\neg$        | 133<br>134<br>135<br>136   | $\dashv$ |          |          |          |  |          |  |          | $\dashv$  |
|               | 1371   |          |          | _        |          |  |          | $\vdash$   |          | $\dashv$  |
|               | 138<br>139   | _        |          |          |          |  |          | $\vdash$   |          | $\dashv$  |
|               | 139  |          |          | $\vdash$ |          |  | _        | П  |          | $\dashv$  |
|               | 140  | -        |          |          |          | Н  |          |  |          | $\dashv$  |
|               | 141  | _        |          |          |          |  |          |  |          | $\dashv$  |
|               | 142  | $\dashv$ |          |          |          | П  |          | М  | $\vdash$ | $\dashv$  |
|               | 143  | $\neg$   |          |          |          | $\vdash$   |          | Н  | Н        | $\dashv$  |
| 一             | 144  | $\neg$   | -        | $\vdash$ | $\vdash$ |  | _        | Н  | $\vdash$ | $\dashv$  |
|               | 145  |          | _        | $\vdash$ |          | $\dashv$   |          | $\vdash$   | $\dashv$ | $\dashv$  |
|               | 146  | $\dashv$ | $\neg$   | $\vdash$ | $\vdash$ | $\dashv$   |          |  | $\vdash$ | $\dashv$  |
|               | 147  | $\dashv$ |          |          | Н        | $\dashv$   |          | Н  |          | $\dashv$  |
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| $\overline{}$ | 150  | $\dashv$ | $\neg$   | -        | -        | $\dashv$   |          | $\vdash$   |          | $\dashv$  |
|               | .00  |          |          |          |          |  |          |  |          |           |